

271536

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



06 JUL 2005



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/064036 A1

(51) International Patent Classification⁷: **G10H 7/00**

(21) International Application Number: PCT/US2003/025813

(22) International Filing Date: 8 August 2003 (08.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 10/337,753 7 January 2003 (07.01.2003) US

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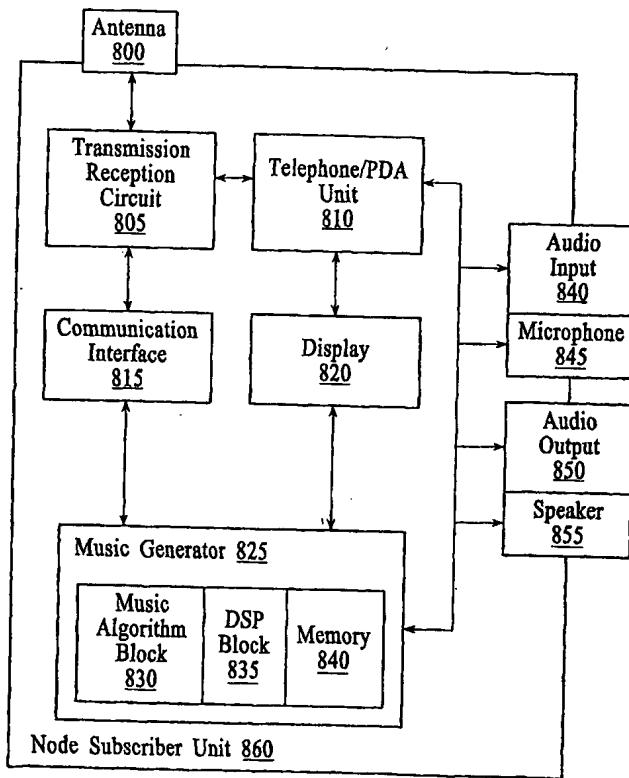
(81) Designated States (national): AU, BR, CA, CH, CN, IL, IN, JP, KR, MX, NO, NZ, PL, RU, SE, SG, US.

(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEMS AND METHODS FOR CREATING, MODIFYING, INTERACTING WITH AND PLAYING MUSICAL COMPOSITIONS



Node/Subscriber Unit Functional Blocks

(57) **Abstract:** Systems and methods for creating, modifying, interacting with and playing music are provided, particularly systems and methods employing a top-down process, where the user is provided with a musical composition that may be modified and interacted with and played and/or stored (for later play). The system preferably is provided in a handheld form factor (860), and a graphical display is provided to display status information, graphical representations of musical lanes or components which preferably vary in shape as musical parameters and the like are changed for particular instruments or musical components such as a microphone input (845) or audio samples. In addition, the present invention makes use of node-based music generation as part of a system and method to broadcast and receive music data files, which are then used to generate and play music. The present invention is characterized by the broadcast of relatively small data files that contain various parameters sufficient to describe the music to the node/subscriber music generator.

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